

ATTACHMENT D



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Patent Assignment Abstract of Title

**NOTE: Results display only for issued patents and published applications.
For pending or abandoned applications please consult USPTO staff.**

Total Assignments: 1

Patent #: NONE

Issue Dt:

Application #: 09903047 **Filing Dt:** 07/11/2001

Publication #: US20030205193 **Pub Dt:** 11/06/2003

Inventors: Yuri V. Melnik, Vitali Soukhoveev, Vladimir Ivantsov, Katie Tsvetkov et al

Title: METHOD FOR ACHIEVING LOW DEFECT DENSITY AIGAN SINGLE CRYSTAL BOULES

Assignment: 1

Reel/Frame: 012268/0388

Recorded: 10/15/2001

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: YURI, V. MELNIK

Exec Dt: 10/02/2001

SOUKHOVEEV, VITALI

Exec Dt: 10/02/2001

IVANSTOV, VLADIMIR

Exec Dt: 10/02/2001

TSVETKOV, KATIE

Exec Dt: 10/03/2001

DMITRIEV, VLADIMIR A.

Exec Dt: 09/28/2001

Assignee: TECHNOLOGIES AND DEVICES INTERNATIONAL, INC.

8660 DAKOTA DRIVE

GAITHERSBURG, MARYLAND 20877

Correspondent: MCCUTCHEN, DOYLE, BROWN & ENERSEN

DAVID G. BECK

THREE EMBARCADERO CENTER

SAN FRANCISCO, CALIFORNIA 94111

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ATTACHMENT E

**TERMINAL DISCLAIMER TO OBVIATE
DOUBLE PATENTING REJECTION OVER A PRIOR PATENT****Docket Number:
23600-7006**

In re Patent Application of: Yuri V. Melnik, et al.

Application No. 09/903,047

Filed: July 9, 2001

For: **METHOD FOR ACHIEVING LOW DEFECT AlGaN SINGLE CRYSTAL BOULES****FAX RECEIVED**

MAY 20 2005

OFFICE OF PETITIONS

Petitioner is the owner of 100 percent interest in the instant application by assignment, recorded in the Patent and Trademark Office on October 15, 2001 at Reel 012268, Frames 0388. Petitioner is the owner of 100 percent interest in U.S. Application No. 09/901,926 by assignment, recorded in the Patent and Trademark Office on October 15, 2001 at Reel 012268, Frames 0385.

Petitioner hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. § 154 to § 156 and § 173, as presently shortened by any terminal disclaimer, of prior Patent No. 6,261,363 or any patent that would issue from Patent Application No. 09/849,771. Petitioner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patents are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, petitioner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. § 154 to § 156 and § 173 of the prior patents, as presently shortened by any terminal disclaimer, in the event that the prior patent(s) later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR § 1.321, has all claims cancelled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and certifies that, to the best of undersigned's knowledge and belief, title is in the assignee identified above. For submissions on behalf of an organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned (whose title is supplied below) is empowered to act on behalf of the organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date:

1/6/02

Signature:



David G. Beck, Reg. No. 37,776
Attorney for Applicant

☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

ATTACHMENT F



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Assignments on the Web > Patent Query

Patent Assignment Abstract of Title

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Total Assignments: 1

Patent #: 6576054 **Issue Dt:** 06/10/2003 **Application #:** 09901926 **Filing Dt:** 07/09/2001

Inventors: Yuri V. Melnik, Vitali Soukhoveev, Vladimir Ivantsov, Katie Tsvetkov et al

Title: METHOD FOR FABRICATING BULK AIGAN SINGLE CRYSTALS

Assignment: 1

Reel/Frame: 012268/0385

Recorded: 10/15/2001

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: MELNIK, YURI V.

Exec Dt: 10/02/2001

SOUKHOVEEV, VITALI

Exec Dt: 10/02/2001

IVANSTOV, VLADIMIR

Exec Dt: 10/02/2001

TSVETKOV, KATIE

Exec Dt: 10/03/2001

DMITRIEV, VLADIMIR A.

Exec Dt: 09/28/2001

Assignee: TECHNOLOGIES AND DEVICES INTERNATIONAL, INC.

8660 DAKOTA DRIVE

GAITHERSBURG, MARYLAND 20877

Correspondent: MCCUTCHEN, DOYLE, BROWN & ENERSEN

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ATTACHMENT G



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Assignments on the Web > Patent Query

Patent Assignment Abstract of Title

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Total Assignments: 3

Patent #: 6261363 **Issue Dt:** 07/17/2001 **Application #:** 09355561 **Filing Dt:** 07/20/1999

Inventors: YURY ALEXANDROVICH VODAKOV, EVGENY NIKOLAEVICH MOKHOV, MARK GRIGORIEVICH RAMM et al

Title: TECHNIQUE FOR GROWING SILICON CARBIDE MONOCRYSTALS

Assignment: 1

Reel/Frame: 013475/0067

Recorded: 11/13/2002

Pages: 7

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: VODAKOV, YURY ALEXANDROVICH
NOKHOV, EVGENY NIKOLAEVICH
RAMM, MARK GRIGORIEVICH
ROENKOV, ALEXANDR DMITRIEVICH
MAKAROV, YURY NIKOLAEVICH
KARPOV, SERGEI YURIEVICH
RAMM, MARK SPIRIDONOVICH
TEMKIN, LEONID IOSIFOVICH

Exec Dt: 10/21/2002
Exec Dt: 10/22/2002
Exec Dt: 10/24/2002
Exec Dt: 10/24/2002
Exec Dt: 10/24/2002
Exec Dt: 10/24/2002
Exec Dt: 10/24/2002
Exec Dt: 10/24/2002

Assignee: THE FOX GROUP, INC.
1154 STEALTH STREET
LIVERMORE, CALIFORNIA 94550

Correspondent: BINGHAM MCCUTCHEN, LLP
DAVID G. BECK
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Assignment: 2

Reel/Frame: 013484/0366

Recorded: 11/13/2002

Pages: 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: VODAKOV, YURY ALEXANDROVICH
MOKHOV, EVGENY NIKOLAEVICH
RAMM, MARK GRIGORIEVICH
ROENKOV, ALEXANDR DMITRIEVICH
MAKAROV, YURY NIKOLAEVICH
KARPOV, SERGEI YURIEVICH
RAMM, MARK SPIRIDONOVICH
TEMKIN, LEONID IOSIFOVICH

Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/21/2002
Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/24/2002

Assignee: FOX GROUP, INC., THE
1154 STEALTH STREET
LIVERMORE, CALIFORNIA 94550

Correspondent: BINGHAM, MCCUTCHEN, LLP
DAVID G. BECK
THREE EMBARCADERO CENTER
SAN FRANCISCO, CA 94111

Assignment: 3

Reel/Frame: 013868/0615

Recorded: 03/24/2003

Pages: 8

Conveyance: CORRECTIVE ASSIGNMENT TO CORRECT THE SECOND ASSIGNOR'S NAME, AND THE
EXECUTION DATES, PREVIOUSLY RECORDED AT REEL 013475 FRAME 0067.
(ASSIGNMENT OF ASSIGNOR'S INTEREST)

Assignors: VODAKOV, YURY ALEXANDROVICH
MOKHOV, EVGENY NIKOLAEVICH
RAMM, MARK GRIGORIEVICH
ROENKOV, ALEXANDR DMITRIEVICH
MARKAROV, YURY NIKOLAEVICH
KARPOV, SERGEI YURIEVICH
RAMM, MARK SPIRIDONOVICH
TEMKIN, LEONID IOSIFOVICH

Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/21/2002
Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 10/22/2002
Exec Dt: 12/24/2002

Assignee: FOX GROUP, INC., THE
1154 STEALTH STREET
LIVERMORE, CALIFORNIA 94550

Correspondent: BINGHAM MCCUTCHEN, LLP
DAVID G. BECK
THREE EMBARCADERO CENTER, 18TH FLOOR
SAN FRANCISCO, CA 94111

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ATTACHMENT H



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Patent Assignment Abstract of Title

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Total Assignments: 2

Patent #: 6562131

Issue Dt: 05/13/2003 Application #: 09849771 Filing Dt: 05/04/2001

Publication #: US20020083891 Pub Dt: 07/04/2002

Inventors: Yury Alexandrovich Vodakov, Evgeny Nikolaevich Mokhov, Mark Grigorievich Ramm et al

Title: METHOD FOR GROWING SINGLE CRYSTAL SILICON CARBIDE

Assignment: 1

Reel/Frame: 012546/0784

Recorded: 01/24/2002

Pages: 7

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: VOKAKOV, YURY ALEXANDROVICH

Exec Dt: 10/24/2001

MOKHOV, EVGENY NIKOLAEVICH

Exec Dt: 10/24/2001

RAMM, MARK GRIGORIEVICH

Exec Dt: 07/18/2001

ROENKOV, ALEXANDR DMITRIEVICH

Exec Dt: 10/24/2001

MAKAROV, YURY NIKOLAEVICH

Exec Dt: 10/24/2001

KARPOV, SERGEI YURIEVICH

Exec Dt: 10/24/2001

RAMM, MARK SPIRIDONOVICH

Exec Dt: 10/24/2001

TEMKIN, LEONID LOSIFOVICH

Exec Dt: 10/24/2001

Assignee: THE FOX GROUP

2021 LAS POSITAS COURT, #113

LIVERMORE, CALIFORNIA 94550

Correspondent: MCCUTCHEN, DOYLE, BROWN & ENERSEN

DAVID G. BECK

THREE EMBARCADERO CENTER

SAN FRANCISCO, CA 94111

Assignment: 2

Reel/Frame: 012834/0909

Recorded: 06/21/2002

Pages: 8

Conveyance: CORRECTIVE ASSIGNMENT TO CORRECT THE NAME OF THE FIRST ASSIGNOR. FILED ON 1-24-2002 RECORDED ON REEL 012546 FRAME 0784 ASSIGNOR HEREBY CONFIRMS THE ASSIGNMENT OF THE ENTIRE INTEREST.

Assignors: VODOKOV, YURY ALEXANDROVICH

Exec Dt: 10/24/2001

MOKHOV, EVGENY NIKOLAEVICH

Exec Dt: 10/24/2001

RAMM, MARK GRIGORIEVICH

Exec Dt: 10/24/2001

ROENKOV, ALEXANDR DMITRIEVICH

Exec Dt: 10/24/2001

MAKAROV, YURY NIKOLAEVICH

Exec Dt: 10/24/2001

KARPOV, SERGEI YURIEVICH

Exec Dt: 10/24/2001

RAMM, SPIRIDONOVICH

Exec Dt: 10/24/2001

TEMKIN, LEONID IOSIFOVICH

Exec Dt: 10/24/2001

Assignee: FOX GROUP, THE
1154 STEALTH STREET
LIVERMORE, CALIFORNIA 94550

Correspondent: MCCUTCHEN, DOYLE, BROWN & ENERSEN
DAVID G. BECK
THREE EMBARCADERO CENTER
SAN FRANCISCO, CA 94111

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ATTACHMENT I

**TERMINAL DISCLAIMER TO OBVIATE
DOUBLE PATENTING REJECTION OVER A PRIOR PATENT****Docket Number:
23600-7003**

In re Patent Application of: Yuri V. Melnik, et al.

Application No. 09/901,926

Filed: July 9, 2001

For: **LOW DEFECT AXIALLY GROWN SINGLE CRYSTAL SILICON CARBIDE**

Petitioner is the owner of 100 percent interest in the instant application by assignment, recorded in the Patent and Trademark Office on October 15, 2001 at Reel 012268, Frames 0385. Petitioner is the owner of 100 percent interest in U.S. Application No. 09/903,047 by assignment, recorded in the Patent and Trademark Office on October 15, 2001 at Reel 012268, Frames 0388.

Petitioner hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. § 154 to § 156 and § 173, as presently shortened by any terminal disclaimer, of prior Patent No. 6,261,363 or any patent that would issue from Patent Application No. 09/849,771. Petitioner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patents are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, petitioner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. § 154 to § 156 and § 173 of the prior patents, as presently shortened by any terminal disclaimer, in the event that the prior patent(s) later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR § 1.321, has all claims cancelled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and certifies that, to the best of undersigned's knowledge and belief, title is in the assignee identified above. For submissions on behalf of an organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned (whose title is supplied below) is empowered to act on behalf of the organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 11/15/02Signature: David G. Beck, Reg. No. 37,776
Attorney for Applicant☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.

ATTACHMENT J

Please type a plus sign (+) inside this box **+**

PTO/SB/05 (03-01)

Approved for use through 10/31/20. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 700624-3001

First Inventor Yuri V. Melnik

Title Method for Achieving Low Defect Density AlGaIn Single Crystal Boules

Via Facsimile

ED 634119907 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

ENCLOSURES (check all that apply)

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)2. ☒ Applicant claims a small entity status.
See 37 CFR 1.27.3. ☒ Specification 30 Total Pages
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table or computer program listing appendix
- Background of the invention
- Brief Summary of the invention

- Brief Description of the Drawings (if filed)

- Detailed Description

- Claim(s) 12

- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) 3 Sheets5. ☒ Declaration 3 Pages

a. Newly executed (original or copy)

b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)I. ☐ DELETION OF INVENTOR(S)Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b)6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper

c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet &
document(s))10. ☐ 37 CFR 3.73(b) Statement Power of
(where there is an assignee) Attorney11. ☐ English Translation Document (if applicable)12. ☒ Information Disclosure
Statement (IDS/PTO/SB/08A)☐ Copies of
IDS Citation13. ☒ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)16. ☐ Nonpublication Request under 35 U.S.C.
122(b)(2)(B)(i). Applicant must attach form
PTO/SB/35 or its equivalent.17. ☐ Statement Under 37 CFR 3.73(b) (copy from prior
application)18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary
amendment, or in an Application Data Sheet under 37 CFR 1.76:☒ Continuation ☐ Divisional ☐ Continuation-in-part
(CIP)

of prior application No. 09/903,047

Prior application Information: Examiner Felisa Carla Hiteshew

Group Art Unit: 1765

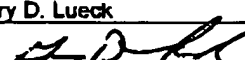
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box
5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The
incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here) or

☒ Correspondence address below

Name	Bingham McCutchen LLP				
Address	Three Embarcadero Center, Suite 1800				
City	San Francisco	State	CA	Zip Code	94111-4067
Country	US	Telephone	(213) 680-6813	Fax	(213) 680-6499
Name (Print/Type)	Gary D. Lueck			Registration No. (Attorney/Agent)	50,791
Signature				Date	May 20, 2005

CERTIFICATE OF MAILING BY EXPRESS MAIL

EXPRESS MAIL NO.: ED 634119907 US

Date of Deposit: May 20, 2005

I hereby certify that this correspondence and all attachments are being deposited with the United States Postal Service "Express Mail Post Office to Addressee"
service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.
Karen Wuerfel

ATTACHMENT K

**TERMINAL DISCLAIMER TO OBVIATE
DOUBLE PATENTING REJECTION OVER A PRIOR PATENT****Docket Number:
23600-7006**

In re Patent Application of: Yuri V. Melnik, et al.

Application No. 09/903,047

Filed: July 9, 2001

For: **METHOD FOR ACHIEVING LOW DEFECT AlGaN SINGLE CRYSTAL BOULES**


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Petitioner hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. § 154 to § 156 and § 173, as presently shortened by any terminal disclaimer, of prior Patent No. 6,261,363 or any patent that would issue from Patent Application No. 09/849,771. Petitioner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patents are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

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The undersigned has reviewed all the documents in the chain of title of the patent application identified above and certifies that, to the best of undersigned's knowledge and belief, title is in the assignee identified above. For submissions on behalf of an organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned (whose title is supplied below) is empowered to act on behalf of the organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 11/6/03Signature: David G. Beck, Reg. No. 37,776
Attorney for Applicant☒ Terminal disclaimer fee under 37 CFR 1.20(d) included.